



PATENT APPLICATION- *IFW*

IN THE U.S. PATENT AND TRADEMARK OFFICE

February 12, 2008

Applicants: Hideki MISAWA et al

For: MAGNETIC MIGRATION AND REVERSAL DISPLAY PANEL AND
MAGNETIC MIGRATION AND REVERSAL DISPLAY METHOD

Serial No.: 10/573 188

Group: 1756

Confirmation No.: 9352

Filed: March 22, 2006

Examiner: Unknown

International Application No.: PCT/JP2004/004625

International Filing Date: March 31, 2004

Atty. Docket No.: 4700.P0325US

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

REQUEST FOR CORRECTED FILING RECEIPT

Sir:

The pending Filing Receipt contains an error.

Please see the attached red-corrected photocopy of the Filing Receipt and the high-lighted portions of the attached copy of the Declaration and the Title Page of the WIPO document.

Respectfully submitted,

TFC/smd

Terryence F. Chapman
Terryence F. Chapman

FLYNN, THIEL, BOUTELL
& TANIS, P.C.
2026 Rambling Road
Kalamazoo, MI 49008-1631
Phone: (269) 381-1156
Fax: (269) 381-5465

David G. Boutell	Reg. No. 25 072
Terryence F. Chapman	Reg. No. 32 549
Mark L. Maki	Reg. No. 36 589
Liane L. Churney	Reg. No. 40 694
John A. Waters	Reg. No. 24 802
Brian R. Tumm	Reg. No. 36 328
Donald J. Wallace	Reg. No. 43 977
Stephen C. Holwerda	Reg. No. 57 391
Dale H. Thiel	Reg. No. 24 323
Sidney B. Williams, Jr.	Reg. No. 24 949
Heon Jekal	Reg. No. L0379*

*limited recognition number

Encl: Red-corrected Photocopy of Pending Filing Receipt
Copy of Declaration
Copy of Title Page of WIPO Document
Postal Card

CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on February 12, 2008.

Terryence F. Chapman
Terryence F. Chapman



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NUMBER	FILING or 371(c) DATE	GRP ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	TOT CLAIMS	IND CLAIMS
10/573,188	03/22/2006	1756	900	4700.P0325US	45	5

CONFIRMATION NO. 9352

23474
FLYNN THIEL BOUTELL & TANIS, P.C.
2026 RAMBLING ROAD
KALAMAZOO, MI 49008-1631

DHT _____ DGB _____ TFG _____
MLM _____ LLC _____ BRT _____
SRT _____ DJW _____ SBW _____

FILING RECEIPT



OC000000028015969

FEB 07 2008

Date Mailed: 02/04/2008

HJ _____ PMG _____
GMS _____ CRA _____ KC _____
FILE _____

Receipt is acknowledged of this non-provisional patent application. The application will be taken up for examination in due course. Applicant will be notified as to the results of the examination. Any correspondence concerning the application must include the following identification information: the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. **If an error is noted on this Filing Receipt, please write to the Office of Initial Patent Examination's Filing Receipt Corrections. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections**

Applicant(s)

Hideki Misawa, Kanagawa, JAPAN;
Ryuusuke Sakuma, Kanagawa, JAPAN;
Shinichi Murakata, Kanagawa, JAPAN;
Shunsuke Kajiwara, Kanagawa, JAPAN;
Takeo Yokoyama, Kanagawa, JAPAN;
Morio Sato, Kanagawa, JAPAN;

Assignment For Published Patent Application

KABUSHIKI KAISHA PILOT CORPORATION (ALSO TRADING AS PILOT CORPORATION,
TOKYO JAPAN, JAPAN

Power of Attorney: The patent practitioners associated with Customer Number 23474

Domestic Priority data as claimed by applicant

This application is a 371 of PCT/JP04/04625 03/31/2004

Foreign Applications

JAPAN 2003-346871 10/06/2004 2003
JAPAN 2003-373778 10/31/2003

If Required, Foreign Filing License Granted: 01/30/2008

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US 10/573,188**

Projected Publication Date: 05/08/2008

Non-Publication Request: No

**Early Publication Request: No
Title**

Magnetic Migration and Reversal Display Panel and Magnetic Migration and Reversal Display
Method

Preliminary Class

430

PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES

Since the rights granted by a U.S. patent extend only throughout the territory of the United States and have no effect in a foreign country, an inventor who wishes patent protection in another country must apply for a patent in a specific country or in regional patent offices. Applicants may wish to consider the filing of an international application under the Patent Cooperation Treaty (PCT). An international (PCT) application generally has the same effect as a regular national patent application in each PCT-member country. The PCT process **simplifies** the filing of patent applications on the same invention in member countries, but **does not result** in a grant of "an international patent" and does not eliminate the need of applicants to file additional documents and fees in countries where patent protection is desired.

Almost every country has its own patent law, and a person desiring a patent in a particular country must make an application for patent in that country in accordance with its particular laws. Since the laws of many countries differ in various respects from the patent law of the United States, applicants are advised to seek guidance from specific foreign countries to ensure that patent rights are not lost prematurely.

Applicants also are advised that in the case of inventions made in the United States, the Director of the USPTO must issue a license before applicants can apply for a patent in a foreign country. The filing of a U.S. patent application serves as a request for a foreign filing license. The application's filing receipt contains further information and guidance as to the status of applicant's license for foreign filing.

Applicants may wish to consult the USPTO booklet, "General Information Concerning Patents" (specifically, the section entitled "Treaties and Foreign Patents") for more information on timeframes and deadlines for filing foreign patent applications. The guide is available either by contacting the USPTO Contact Center at 800-786-9199, or it can be viewed on the USPTO website at <http://www.uspto.gov/web/offices/pac/doc/general/index.html>.

For information on preventing theft of your intellectual property (patents, trademarks and copyrights), you may wish to consult the U.S. Government website, <http://www.stopfakes.gov>. Part of a Department of Commerce initiative, this website includes self-help "toolkits" giving innovators guidance on how to protect intellectual property in specific countries such as China, Korea and Mexico. For questions regarding patent enforcement issues, applicants may call the U.S. Government hotline at 1-866-999-HALT (1-866-999-4158).

LICENSE FOR FOREIGN FILING UNDER
Title 35, United States Code, Section 184
Title 37, Code of Federal Regulations, 5.11 & 5.15

GRANTED

The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

This license is to be retained by the licensee and may be used at any time on or after the effective date thereof unless it is revoked. This license is automatically transferred to any related applications(s) filed under 37 CFR 1.53(d). This license is not retroactive.

The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Bureau of Industry and Security, Department of Commerce (15 CFR parts 730-774); the Office of Foreign Assets Control, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

NOT GRANTED

No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15(b).

訂正版

(19) 世界知的所有権機関
国際事務局



PCT

(43) 国際公開日
2005 年 4 月 14 日 (14.04.2005)

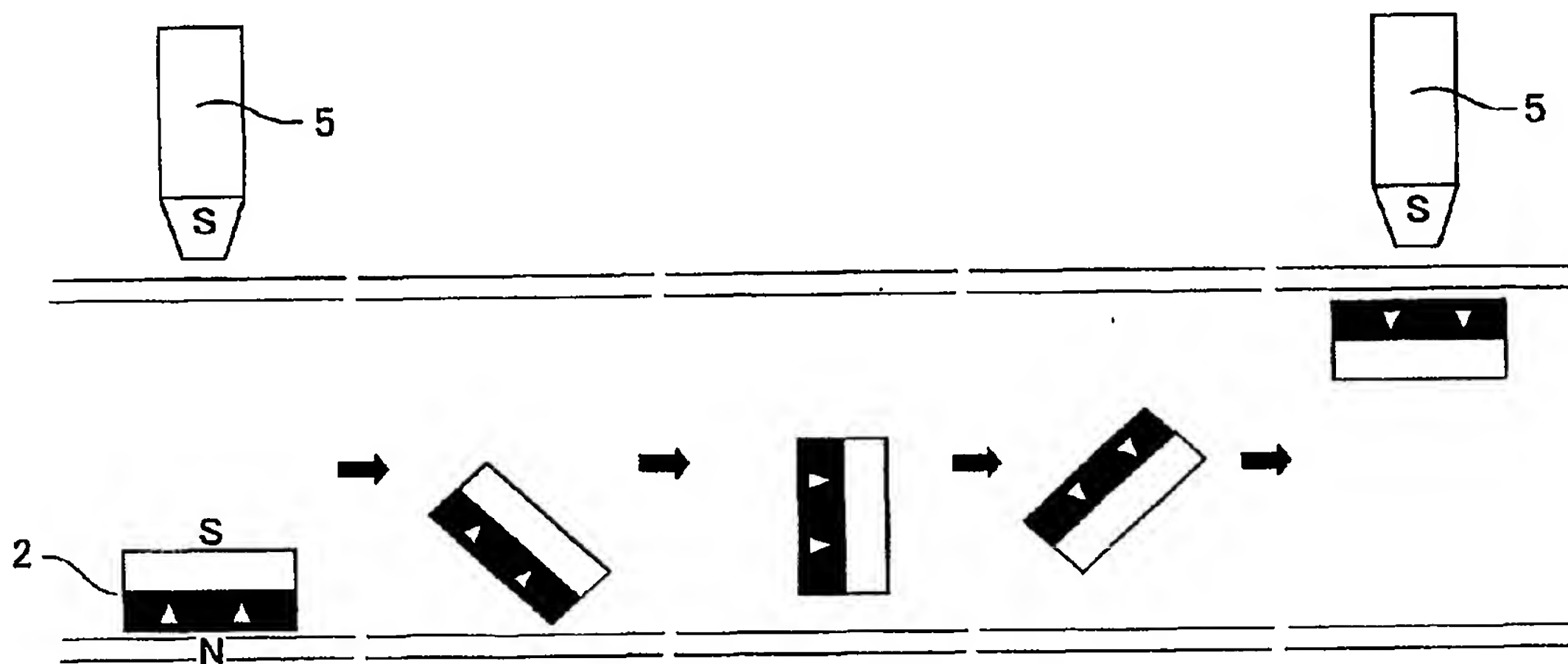
(10) 国際公開番号
WO 2005/033790 A1

- (51) 国際特許分類⁷: G02F 1/17, (71) 出願人 (米国を除く全ての指定国について): 株式会社パイロットコーポレーション (KABUSHIKI KAISHA PILOT CORPORATION (also trading as PILOT CORPORATION)) [JP/JP]; 〒1048304 東京都中央区京橋二丁目 6 番 2 1 号 Tokyo (JP).
- (21) 国際出願番号: PCT/JP2004/004625
- (22) 国際出願日: 2004 年 3 月 31 日 (31.03.2004)
- (25) 国際出願の言語: 日本語
- (26) 国際公開の言語: 日本語
- (30) 優先権データ:
特願 2003-346871 2003 年 10 月 6 日 (06.10.2003) JP
特願 2003-373778 2003 年 10 月 31 日 (31.10.2003) JP
- (72) 発明者; および
(75) 発明者/出願人 (米国についてのみ): 三澤 秀樹 (MISAWA, Hideki) [JP/JP]; 〒2548585 神奈川県平塚市西八幡 1 丁目 4 番 3 号 株式会社パイロットコーポレーション内 Kanagawa (JP). 佐久間 隆介 (SAKUMA, Ryusuke) [JP/JP]; 〒2548585 神奈川県平塚市西八幡 1 丁目 4 番 3 号 株式会社パイロットコーポレーション内 Kanagawa (JP). 村形 伸一 (MURAKATA, Shinichi) [JP/JP]; 〒2548585 神奈川県平塚市西八幡 1 丁目 4 番

[続葉有]

(54) Title: MAGNETOPHORETIC REVERSAL DISPLAY PANEL AND MAGNETOPHORETIC REVERSAL DISPLAY METHOD

(54) 発明の名称: 磁気泳動反転表示パネルおよび磁気泳動反転表示方法



(57) Abstract: In a magnetic display panel varying the display by means of a magnet, a multicolor display panel capable of magnetically displaying three colors, i.e. two colors in addition to the background, is obtained. The magnetophoretic reversal display panel includes a dispersion liquid where micromagnets having different color of magnetic pole are dispersed into a dispersion medium containing a coloring material. A handwriting representing two display colors is obtained by selecting a specified magnetic pole at a handwriting part, causing magnetophoresis or magnetophoresis/reversal of the micromagnets in the dispersion liquid from the surface side, and displaying the color tone of a specified surface of the micromagnets. Subsequently, a magnetic field of the opposite magnetic pole is applied, from the same surface, to the micromagnets constituting the handwriting h indicating the color tone of the specified surface thus varying the color tone of the handwriting without varying the state thereof.

(57) 要約: 磁石により表示を変化させる磁気表示パネルにおいて、背景以外に 2 色の表示、つまり 3 色の磁気表示を行うことができる多色表示パネルを得られる。少なくとも、着色材を含有する分散媒中に磁極の色が異なる微小磁石を分散した分散液体を内

[続葉有]

Declaration and Power of Attorney For Patent Application

特許出願宣言書及び委任状

Japanese Language Declaration

日本語宣言書



下記の氏名の発明者として、私は以下の通り宣言します。

As a below named inventor, I hereby declare that:

私の住所、私書箱、国籍は下記の私の氏名の後に記載された通りです。

My residence, post office address and citizenship are as stated next to my name.

下記の名称の発明に関して請求範囲に記載され、特許出願している発明内容について、私が最初かつ唯一の発明者（下記の氏名が一つの場合）もしくは最初かつ共同発明者であると（下記の名称が複数の場合）信じています。

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

MAGNETIC MIGRATION AND REVERSAL
DISPLAY PANEL AND MAGNETIC MIGRATION
AND REVERSAL DISPLAY METHOD

上記発明の明細書（下記の欄でx印がついていない場合は、本書に添付）は、

the specification of which is attached hereto unless the following box is checked:

☐ __月__日に提出され、米国出願番号または特許協定条約
国際出願番号を____とし、
(該当する場合) _____ に訂正されました。

☒ was filed on March 31, 2004
as United States Application Number or
PCT International Application Number
PCT/JP2004/004625 and was amended on
_____ (if applicable).

私は、特許請求範囲を含む上記訂正後の明細書を検討し、内容を理解していることをここに表明します。

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

私は、連邦規則法典第37編第1条56項に定義されるとおり、特許資格の有無について重要な情報を開示する義務があることを認めます。

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56.

COPY

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Japanese Language Declaration (日本語宣言書)

私は、米国法典第35編119条(a)-(d)項又は365条(b)項に基づき下記の、米国以外の国の少なくとも一カ国を指定している特許協力条約365(a)項に基づき国際出願、又は外国での特許出願もしくは発明者証の出願についての外国優先権をここに主張するとともに、優先権を主張している、本出願の前に出願された特許または発明者証の外国出願を以下に、枠内をマークすることで、示しています。

Prior Foreign Application(s)

外国での先行出願 JP Pat.Appl.

No. 2003-346871

Japan

(Number) JP Pat.Appl.

(Country)

(番号)

(国名)

No. 2003-373778

Japan

(Number)

(Country)

(番号)

(国名)

私は、第35編米国法典119条(e)項に基づいて下記の米国特許出願規定に記載された権利をここに主張いたします。

(Application No.)

(出願番号)

(Filing Date)

(出願日)

私は、下記の米国法典第35編120条に基づいて下記の米国特許出願に記載された権利、又は米国を指定している特許協力条約365条(c)に基づき権利をここに主張します。また、本出願の各請求範囲の内容が米国法典第35編112条第1項又は特許協力条約で規定された方法で先行する米国特許出願に開示されていない限り、その先行米国出願書提出日以降で本出願書の日本国内または特許協力条約国際提出日までの期間中に入手された、連邦規則法典第37編1条56項で定義された特許資格の有無に関する重要な情報について開示義務があることを認識しています。

(Application No.)

(出願番号)

(Filing Date)

(出願日)

(Application No.)

(出願番号)

(Filing Date)

(出願日)

私は、私自身の知識に基づいて本宣言書中で私が行なう表明が真実であり、かつ私の入手した情報と私の信じることに基づき表明が全て真実であると信じていること、さらに故意になされた虚偽の表明及びそれと同等の行為は米国法典第18編第1001条に基づき、罰金または拘禁、もしくはその両方により処罰されること、そしてそのような故意による虚偽の声明を行えば、出願した、又は既に許可された特許の有効性が失われることを認識し、よってここに上記のごとく宣誓を致します。

I hereby claim foreign priority under Title 35, United States Code, Section 119 (a)-(d) or 365(b) of any foreign application(s) for patent or inventor's certificate, or 365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or PCT International application having a filing date before that of the application on which priority is claimed.

Priority Not Claimed

優先権主張なし

October 6, 2003

(Day/Month/Year Filed)

(出願年月日)

October 31, 2003

(Day/Month/Year Filed)

(出願年月日)

☐

☐

I hereby claim the benefit under Title 35, United States Code, Section 119(e) of any United States provisional application(s) listed below.

(Application No.)

(出願番号)

(Filing Date)

(出願日)

I hereby claim the benefit under Title 35, United States Code, Section 120 of any United States application(s), or 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of Title 35, United States Code Section 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of application.

(Status: Patented, Pending, Abandoned)

(現況: 特許許可済、係属中、放棄済)

(Status: Patented, Pending, Abandoned)

(現況: 特許許可済、係属中、放棄済)

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Japanese Language Declaration (日本語宣言書)

委任状： 私は下記の発明者として、本出願に関する一切の手続きを米特許商標局に対して遂行する弁理士または代理人として、下記の者を指名いたします。(弁護士、または代理人の氏名及び登録番号を明記のこと)

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith (list name and registration number)

Dale H. Thiel, Reg. No. 24 323
 David G. Boutell, Reg. No. 25 072
 Ronald J. Tanis, Reg. No. 22 724
 Terryence F. Chapman, Reg. No. 32 549
 Mark L. Maki, Reg. No. 36 589

Donald J. Wallace, Reg. No. 43 977
 Sidney B. Williams, Jr., Reg. No. 24 949
 Liane L. Churney, Reg. No. 40 694
 Brian R. Tumm, Reg. No. 36 328
 Steven R. Thiel, Reg. No. 53 685

書類送付先

Send Correspondence to:

FLYNN, THIEL, BOUTELL & TANIS, P.C.
 2026 Rambling Road
 Kalamazoo, Michigan 49008-1631

直接電話連絡先： (名前及び電話番号)

Direct Telephone Calls to: (name and telephone number)

唯一または第一発明者名		Full name of sole or first inventor: Hideki MISAWA	
発明者の署名	日付	Inventor's signature <i>Hideki MISAWA</i>	Date <i>March 9, 2006</i>
住所		Residence Yokohama-shi, Kanagawa, Japan	
国籍		Citizenship Japan	
私書箱		Post Office Address c/o Kabushiki Kaisha Pilot Corporation, 4-3, Nishiyahata 1-chome, Hiratsuka-shi, Kanagawa 254-8585, Japan	
第二共同発明者		Full name of second joint inventor, if any Ryuusuke SAKUMA	
第二共同発明者	日付	Second inventor's signature <i>Ryuusuke SAKUMA</i>	Date <i>March 9, 2006</i>
住所		Residence Hiratsuka-shi, Kanagawa, Japan	
国籍		Citizenship Japan	
私書箱		Post Office Address c/o Kabushiki Kaisha Pilot Corporation, 4-3, Nishiyahata 1-chome, Hiratsuka-shi, Kanagawa 254-8585, Japan	

(第三以降の共同発明者についても同様に記載し、署名をすること)

(Supply similar information and signature for third and subsequent joint inventors.)

第三の共同発明者の氏名 (該当する場合)	Full name of third joint inventor(if any) Shinichi MURAKATA
第三共同発明者の署名 日付	Third joint inventor's signature <i>Shinichi Murakata</i> Date March 9, 2006
住所	Residence Hiratsuka-shi, Kanagawa, Japan
国籍	Citizenship Japan
郵便の宛先	Post Office Address c/o Kabushiki Kaisha Pilot Corporation, 4-3, Nishiyahata 1-chome, Hiratsuka-shi, Kanagawa 254-8585, Japan
第四の共同発明者の氏名 (該当する場合)	Full name of fourth joint inventor(if any) Shunsuke KAJIWARA
第四共同発明者の署名 日付	Fourth joint inventor's signature <i>Shunsuke KajiwarA</i> Date March 9, 2006
住所	Residence Hiratsuka-shi, Kanagawa, Japan
国籍	Citizenship Japan
郵便の宛先	Post Office Address c/o Kabushiki Kaisha Pilot Corporation, 4-3, Nishiyahata 1-chome, Hiratsuka-shi, Kanagawa 254-8585, Japan
第五の共同発明者の氏名 (該当する場合)	Full name of fifth joint inventor(if any) Takeo YOKOYAMA
第五共同発明者の署名 日付	Fifth joint inventor's signature <i>Takeo Yokoyama</i> Date March 9, 2006
住所	Residence Yokohama-shi, Kanagawa, Japan
国籍	Citizenship Japan
郵便の宛先	Post Office Address c/o Kabushiki Kaisha Pilot Corporation, 4-3, Nishiyahata 1-chome, Hiratsuka-shi, Kanagawa 254-8585, Japan
第六の共同発明者の氏名 (該当する場合)	Full name of sixth joint inventor(if any) Morio SATO
第六共同発明者の署名 日付	Sixth joint inventor's signature <i>Morio Sato</i> Date March 9, 2006
住所	Residence Fujisawa-shi, Kanagawa, Japan
国籍	Citizenship Japan
郵便の宛先	Post Office Address c/o Kabushiki Kaisha Pilot Corporation, 4-3, Nishiyahata 1-chome, Hiratsuka-shi, Kanagawa 254-8585, Japan

[] Additional inventors are being named on the one supplemental additional inventor(s) sheet.

[X] This Declaration ends with this page.